

IN THE CLAIMS:

Please amend claims 1, 10, 16, and 44 as follows.

1. (Currently Amended) An authentication method for identifying a subscriber of a first network ~~comprising a general packet radio services network~~ in a second network ~~comprising an Internet protocol network~~, comprising:

accessing a value added service platform in the second network being an internet protocol network from the first network being a general package radio services network by a terminal of the subscriber;

[[a)]] allocating an Internet protocol (IP) address of said second network to said subscriber;

[[b)]] generating information about a mapping between ~~an IP address of the subscriber's IP address~~ in said second network and a subscriber identity; and

[[c)]] transmitting the mapping to said second network,

wherein said subscriber is identified in a value added service platform based on said mapping information.

2. (Previously Presented) The authentication method according to claim 1, wherein said mapping information is transmitted to said second network, when said mapping between said Internet protocol address in said second network and the subscriber identity has changed.

3. (Previously Presented) The authentication method according to claim 1, wherein said subscriber identity is at least one of an international mobile subscriber identity and mobile station integrated services digital network number of the subscriber.

4. (Previously Presented) The authentication method according to claim 1, wherein said mapping information is transmitted in an access request message.

5. (Previously Presented) The authentication method according to claim 4, wherein said request access message is a remote authentication dial in user service access request message.

6. (Previously Presented) The authentication method according to claim 1, wherein said authentication server functionality is included in the value added service platform.

7. (Previously Presented) The authentication method according to claim 1, wherein said authentication server functionality is provided by a dedicated authentication server.

8. (Previously Presented) The authentication method according to claim 1, wherein said mapping information is generated by an authentication client functionality in a general packet radio services support node.

9. (Previously Presented) The authentication method according to claim 1, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

10. (Currently Amended) An authentication system for identifying a subscriber of a first network ~~comprising a general packet radio services network~~ in a second network ~~comprising an Internet protocol network~~, comprising:

a terminal of the subscriber configured to access a value added service platform in the second network being an internet protocol network from the first network being a general packet radio services network by a terminal of the subscriber;

[[a]] a gateway device comprising allocation means for allocating an Internet protocol address of said second network to said subscriber, and authentication client means for generating an information about a mapping

between said Internet protocol address of said second network and a subscriber identity, and for transmitting said mapping information to said second network; and

[[b)] an authentication server provided in said second network and configured to log and maintain said mapping information,

[[c)] wherein said authentication server is a server for a value added service platform provided in said second network, wherein said value added service platform is configured to identify said subscriber based on said mapping information.

11. (Previously Presented) The authentication system according to claim 10, wherein said gateway device is a general packet radio services support node.

12. (Previously Presented) The authentication system according to claim 10, wherein said authentication client means is a remote authentication dial in user service client.

13. (Previously Presented) The authentication system according to claim 10, wherein said server is a remote authentication dial in user service server.

14. (Previously Presented) The authentication system according to claim 10, wherein said subscriber identity is an international mobile subscriber identity or a mobile station integrated service digital number.

15. (Previously Presented) The authentication system according to claim 10, wherein said authentication client means is arranged to transmit said mapping information in an access request message to said authentication server.

16. (Currently Amended) ~~A~~ ~~The gateway device for connecting a first network comprising a general packet radio service network to a second network comprising an Internet protocol network, comprising:~~

[[a)] an allocation unit configured to allocate an Internet protocol address of said second network to a subscriber of said first network, wherein a terminal of the subscriber is configured to access a value added service platform in the second network being an internet protocol network from the first network being a general packet radio services network; and

[[b)] an authentication client unit configured to generate information about a mapping between said Internet protocol address of said second network and a subscriber identity, and ~~network~~ to transmit said mapping information to said Internet protocol network,[[:]] wherein said authentication client unit is a remote authentication dial in user service client.

17. (Previously Presented) The gateway device according to claim 16, wherein said authentication unit is configured to transmit said mapping information in an access request message.

18. (Previously Presented) The authentication method according to claim 2, wherein said subscriber identity is at least one of an international mobile subscriber identity and a mobile station integrated services digital network number of the subscriber.

19. (Previously Presented) The authentication method according to claim 2, wherein said mapping information is transmitted in an access request message.

20. (Previously Presented) The authentication method according to claim 3, wherein said mapping information is transmitted in an access request message.

21. (Previously Presented) The authentication method according to claim 2, wherein said mapping information is generated by an authentication client functionality in a gateway general packet radio services support node.

22. (Previously Presented) The authentication method according to claim 3, wherein said mapping information is generated by an authentication client functionality in a gateway general packet radio services support node.

23. (Previously Presented) The authentication method according to claim 4, wherein said mapping information is generated by an authentication client functionality in a gateway general packet radio services support node.

24. (Previously Presented) The authentication method according to claim 5, wherein said mapping information is generated by an authentication client functionality in a gateway general packet radio services support node.

25. (Previously Presented) The authentication method according to claim 6, wherein said mapping information is generated by an authentication client functionality in a gateway general packet radio services support node.

26. (Previously Presented) The authentication method according to claim 7, wherein said mapping information is generated by an authentication client functionality in a gateway general packet radio services support node.

27. (Previously Presented) The authentication method according to claim 2, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

28. (Previously presented) The authentication method according to claim 3, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

29. (Previously Presented) The authentication method according to claim 4, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

30. (Previously Presented) The authentication method according to claim 5, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

31. (Previously Presented) The authentication method according to claim 6, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

32. (Previously Presented) The authentication method according to claim 7, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

33. (Previously Presented) The authentication method according to claim 8, wherein said mapping information is used for at least one of a service specific charging and addressing of mobile terminals.

34. (Previously Presented) The authentication system according to claim 11, wherein said authentication client means is a remote authentication dial in user service client.

35. (Previously Presented) The authentication system according to claim 11, wherein said server is a remote authentication dial in user service server.

36. (Previously Presented) The authentication system according to claim 12, wherein said server is a remote authentication dial in user service server.

37. (Previously Presented) The authentication system according to claim 11, wherein said subscriber identity is an international mobile subscriber identity or a mobile station integrated services digital network number.

38. (Previously Presented) The authentication system according to claim 12, wherein said subscriber identity is an international mobile subscriber identity or a mobile station integrated services digital network number.

39. (Previously Presented) The authentication system according to claim 13, wherein said subscriber identity is an international mobile subscriber identity or a mobile station integrated services digital network number.

40. (Previously Presented) The authentication system according to claim 11, wherein said authentication client means is arranged to transmit said mapping information in an access request message to said authentication server.

41. (Previously Presented) The authentication system according to claim 12, wherein said authentication client means is arranged to transmit said mapping information in an access request message to said authentication server.

42. (Previously Presented) The authentication system according to claim 13, wherein said authentication client means is arranged to transmit said mapping information in an access request message to said authentication server.

43. (Previously Presented) The authentication system according to claim 14, wherein said authentication client means is arranged to transmit said mapping information in an access request message to said authentication server.

44. (Currently Amended) A device configured to connect a first network comprising a general packet radio services network to a second network comprising an Internet protocol network, comprising:

means for allocating an Internet protocol address of said second network to a subscriber of said first network[[;]], wherein a terminal of the subscriber comprises means for accessing a value added service platform in the second network being an internet protocol network from the first network being a general packet radio services network; and

means for generating information about a mapping between said Internet protocol address of said second network and a subscriber identity, and for transmitting said mapping information to said Internet protocol network[[;]], wherein said authentication client means is a remote authentication dial in user service client.